

FIG. 1
(Prior Art)

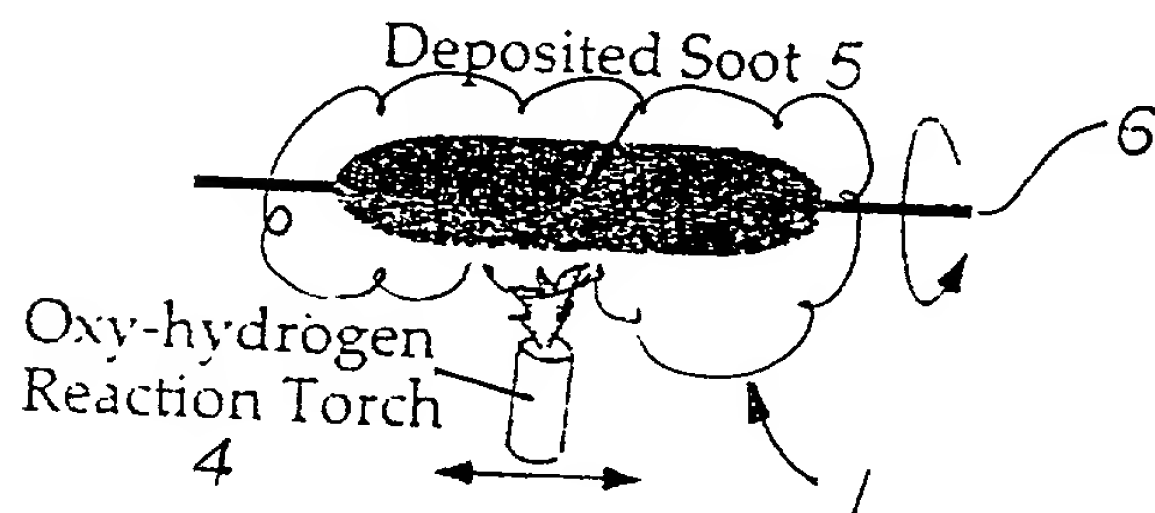


FIG. 2
(Prior Art)

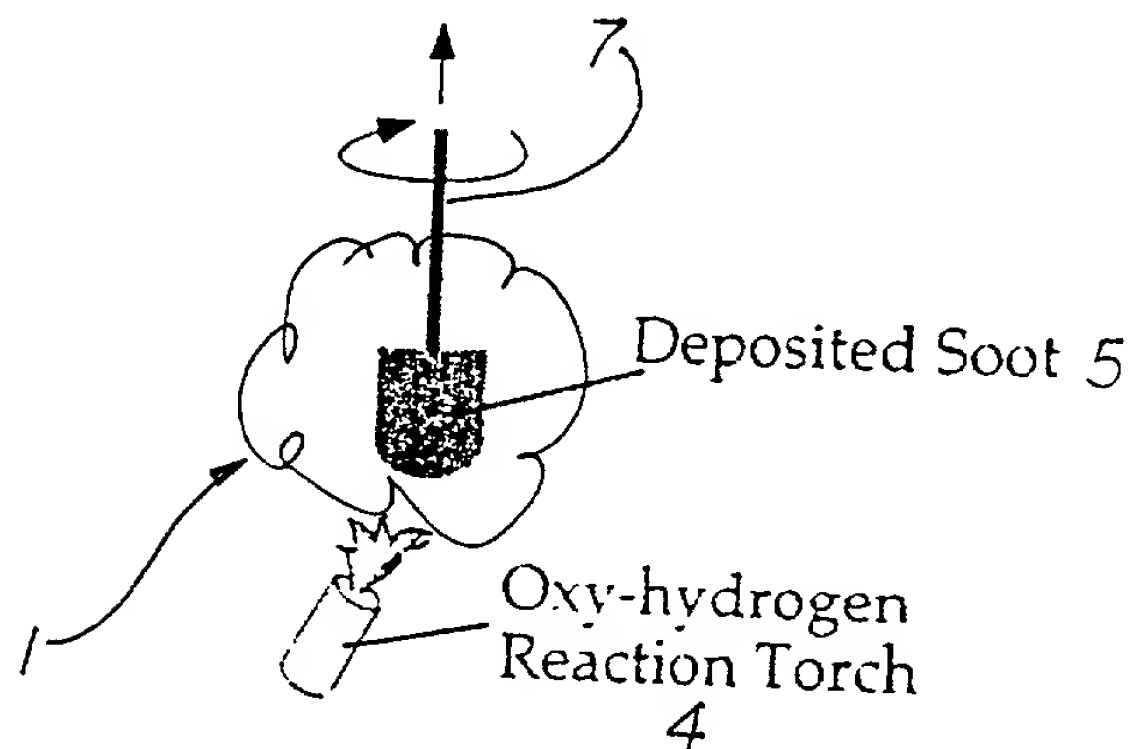


FIG. 3
(Prior Art)

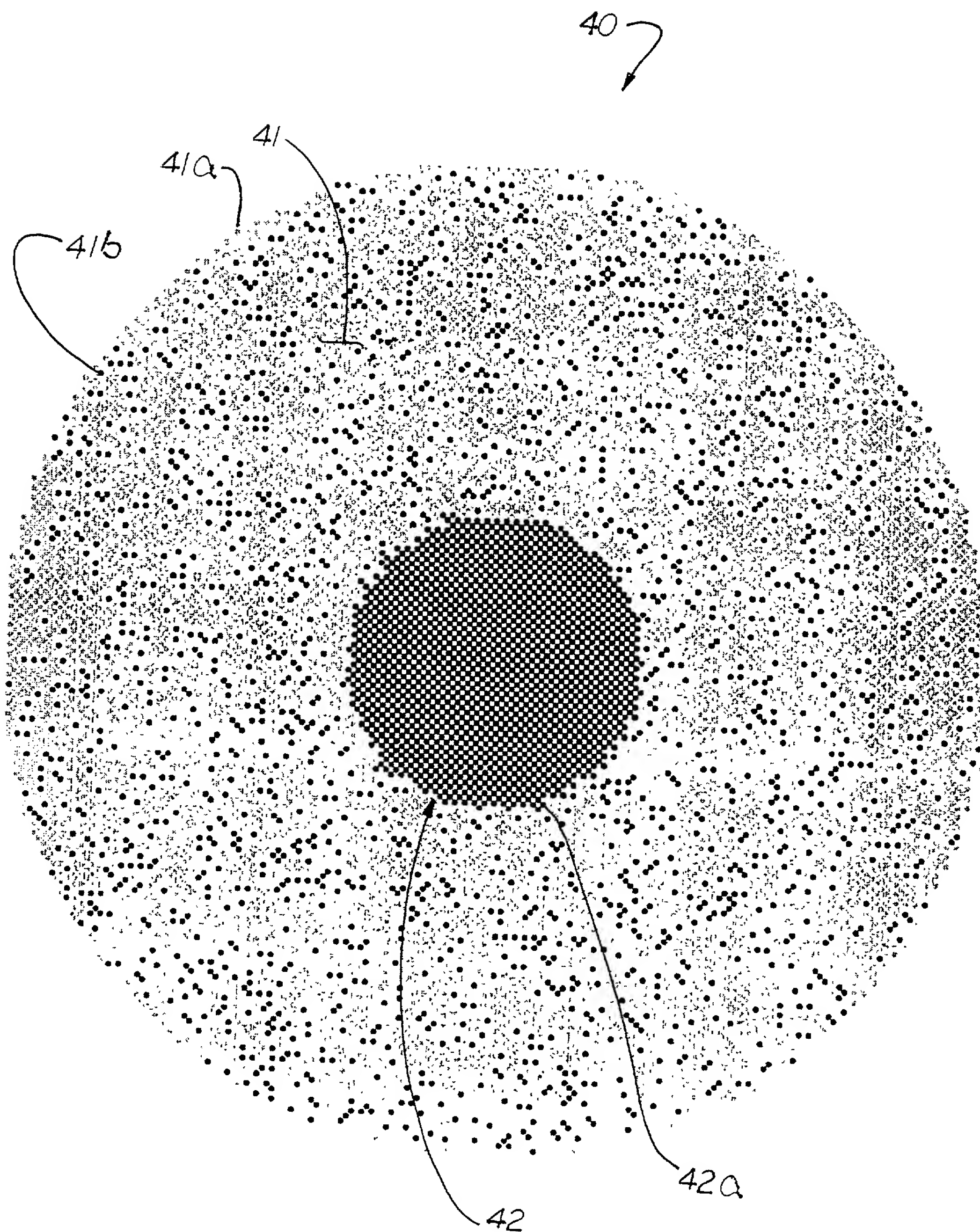


FIG. 4

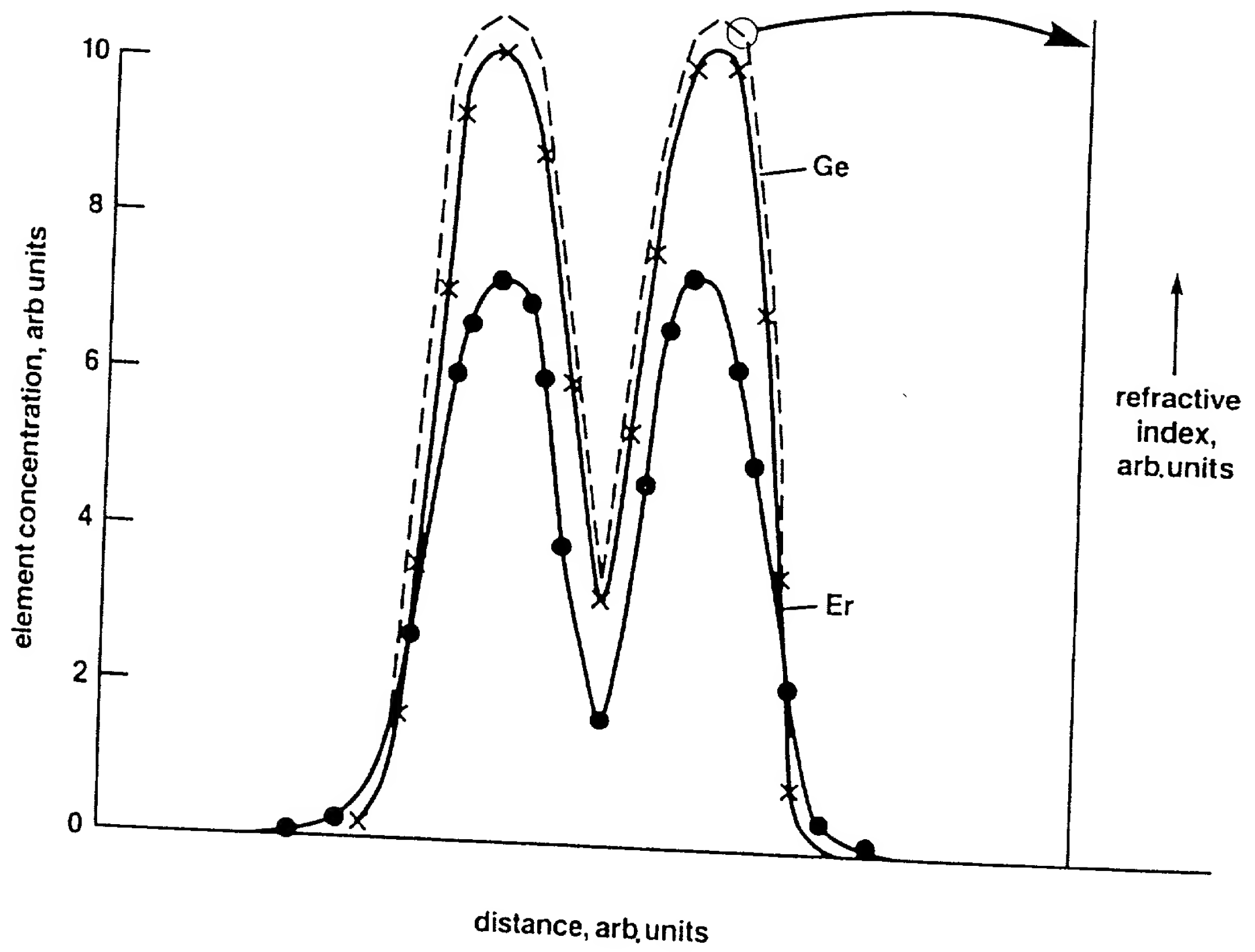
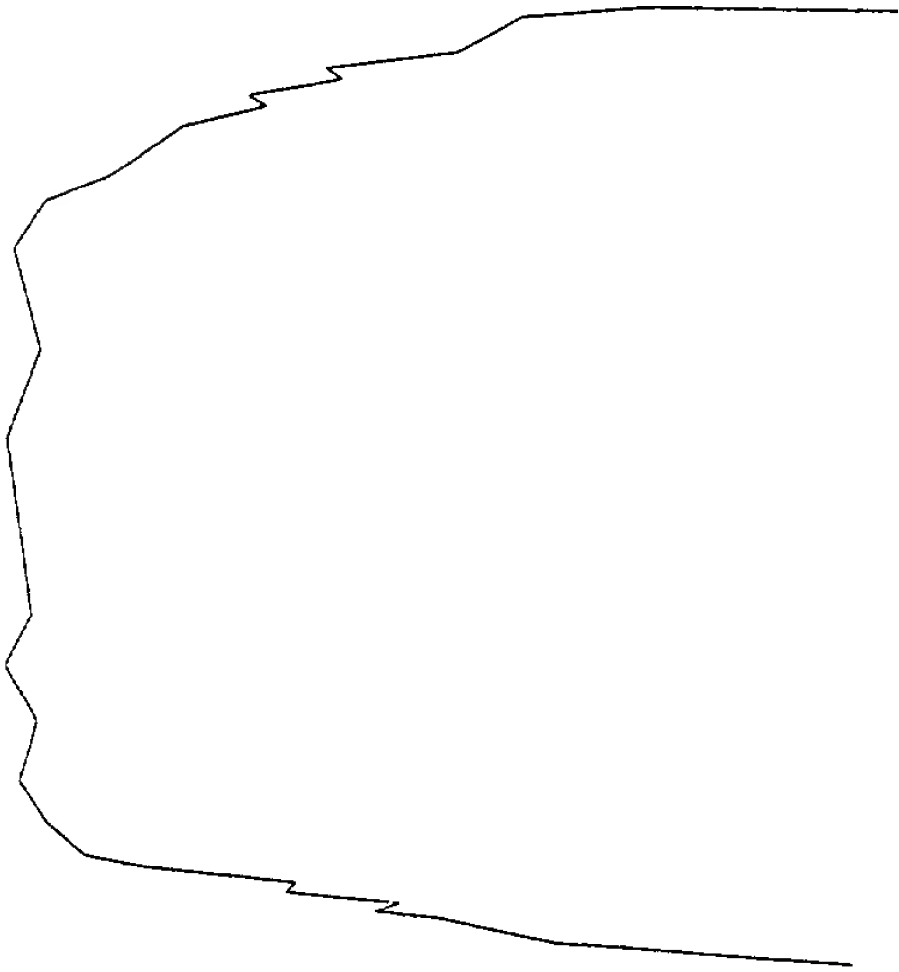
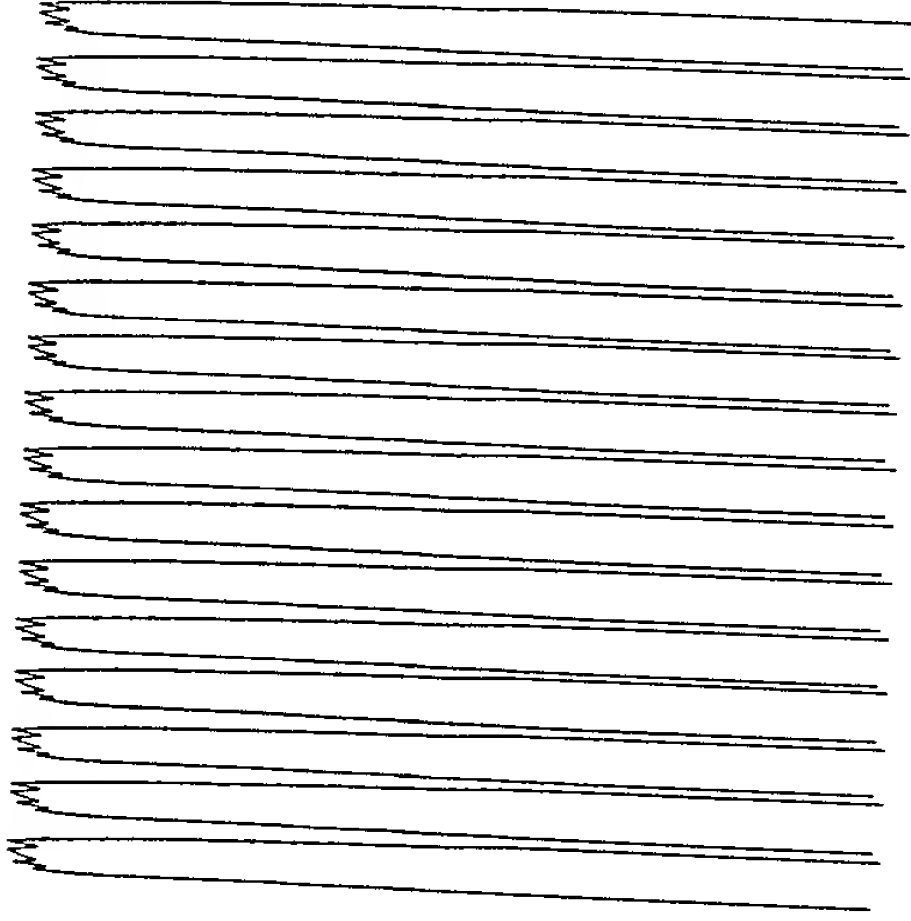


FIG. 5



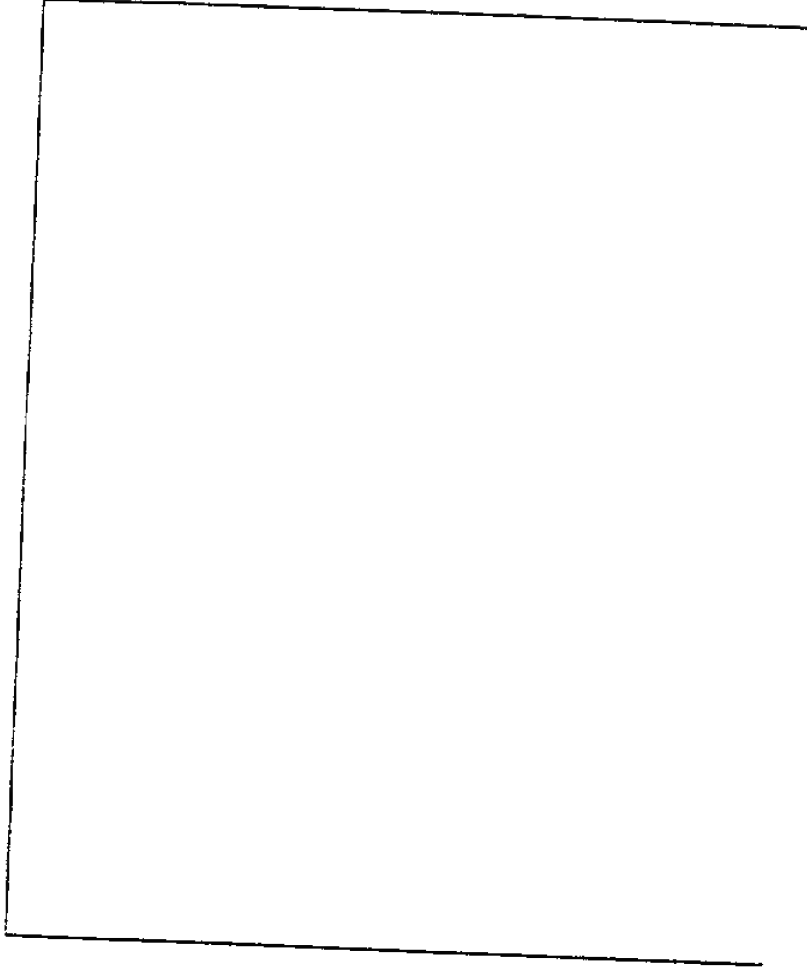
Index (or dopant) profile of core or cladding rod that has suffered the effects of burnout.

FIG. 6A



Index (or dopant) profile of a group of such rods bundled together.

FIG. 6B



Effective index (or dopant) profile seen by mode field in fiber fabricated from such a preform bundle.

FIG. 6C

FIG. 7

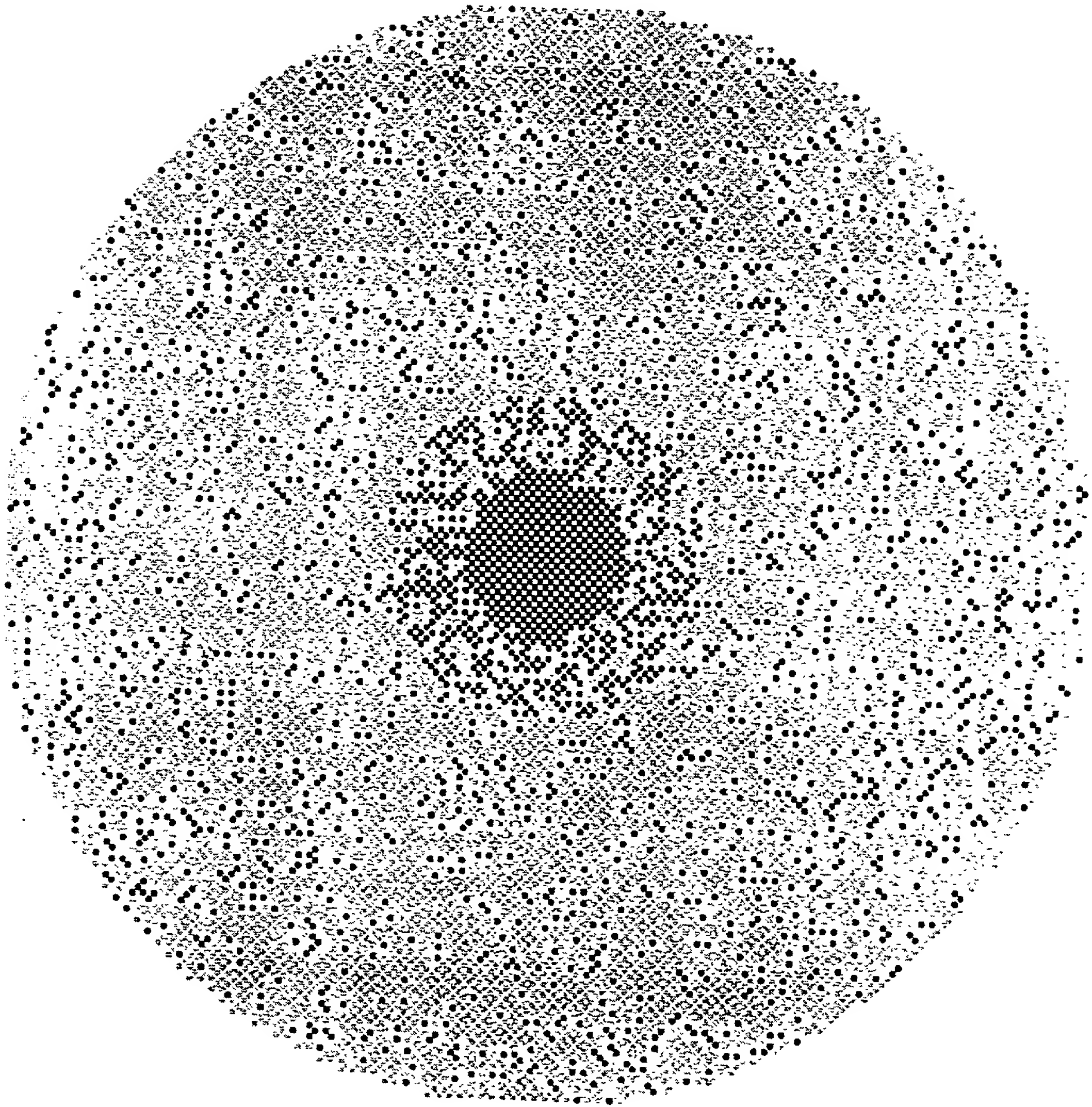
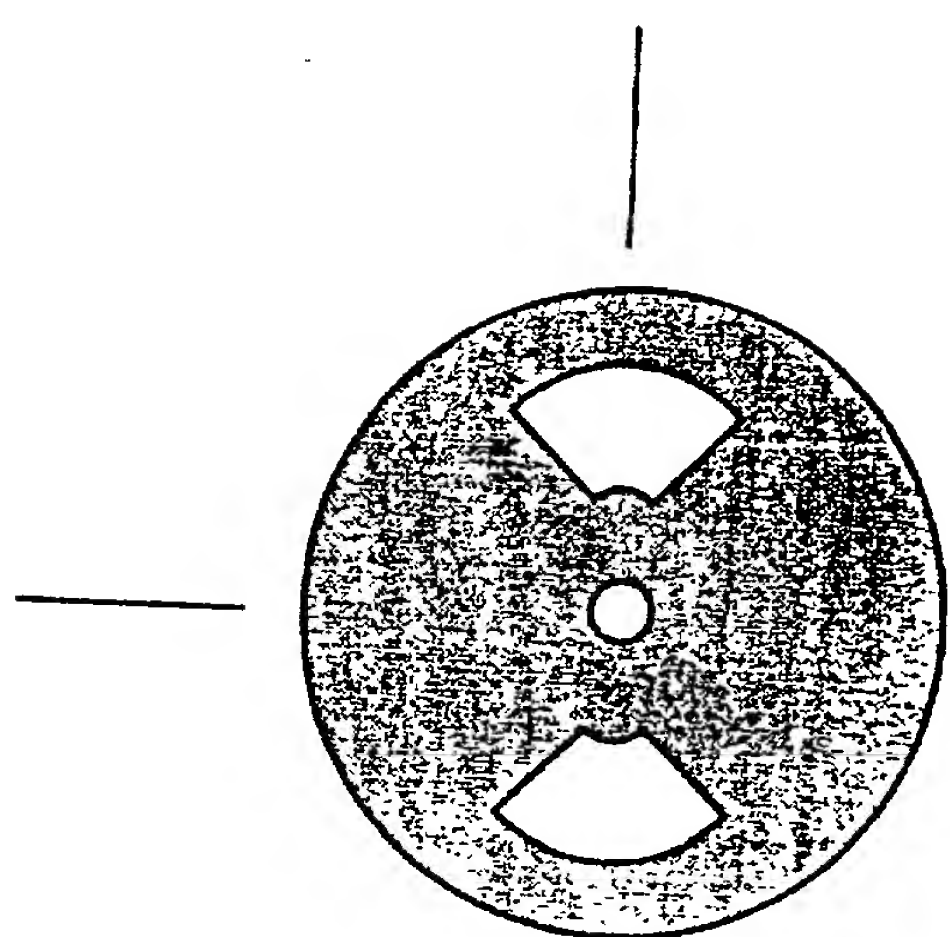


FIG. 7

FIG. 8A

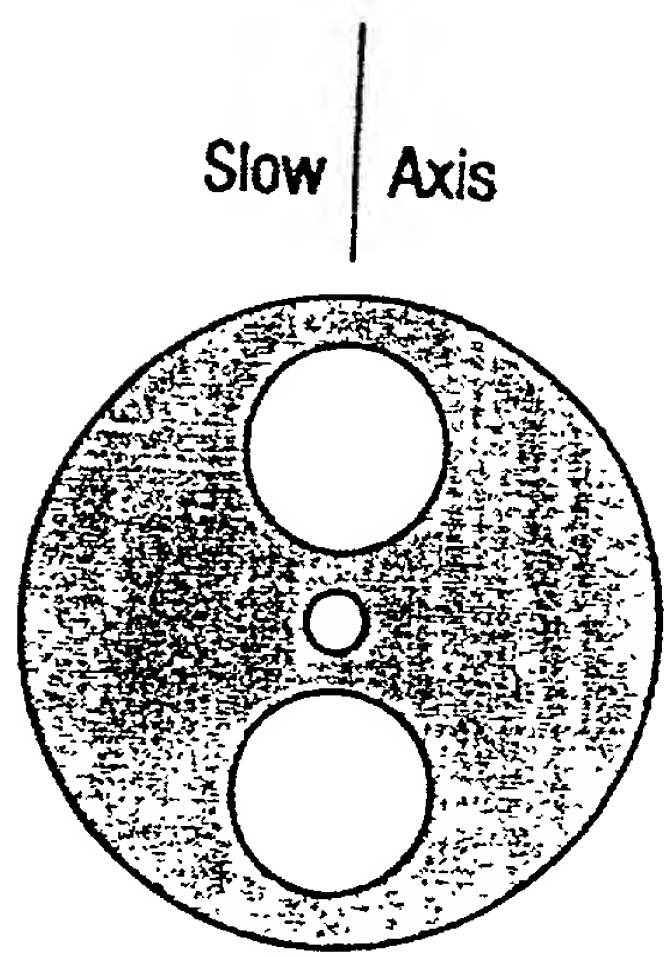


Bow-tie

FIG. 8A

Fast
Axis

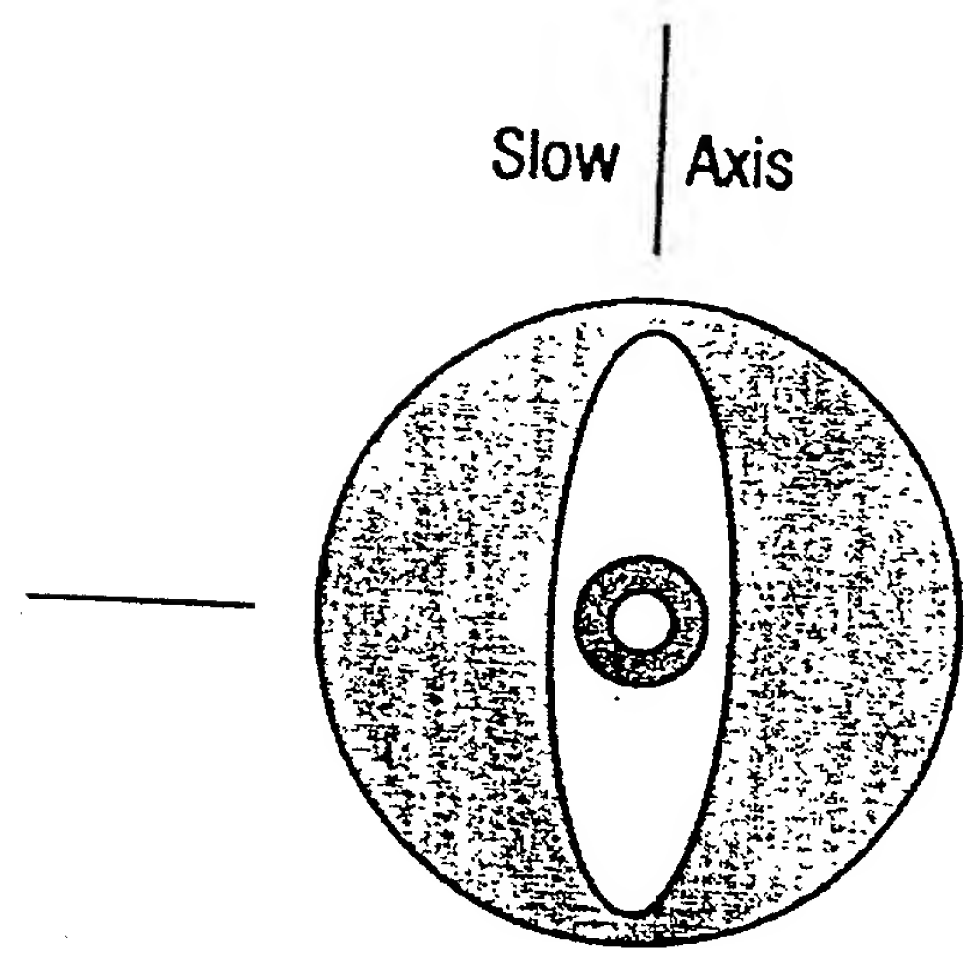
Prior Art



Slow Axis

Panda

FIG. 8B



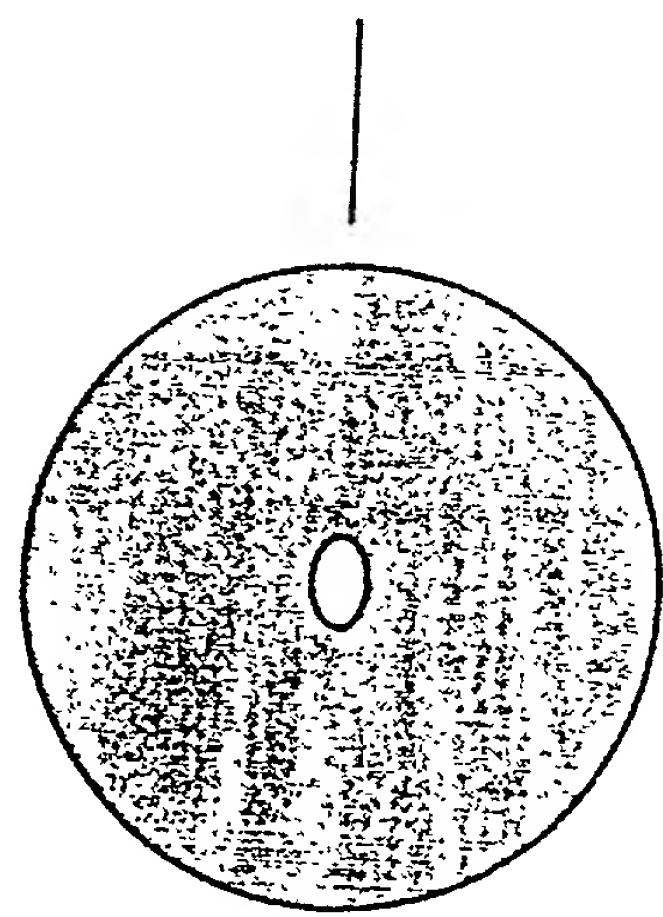
Slow Axis

Oval-Inner Clad

FIG. 8C

Fast
Axis

Prior Art



Oval Core

FIG. 8D

FIG. 9

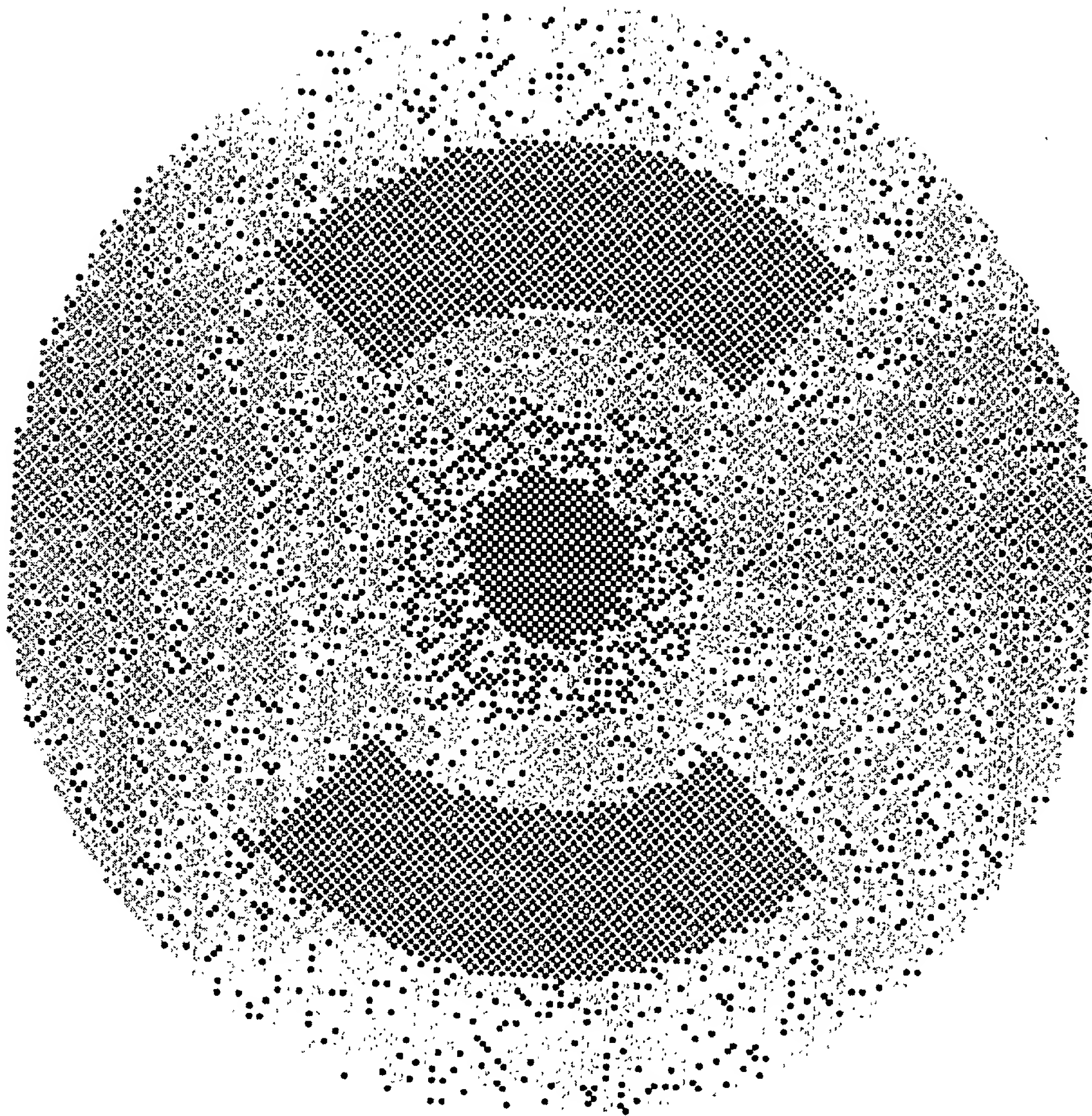
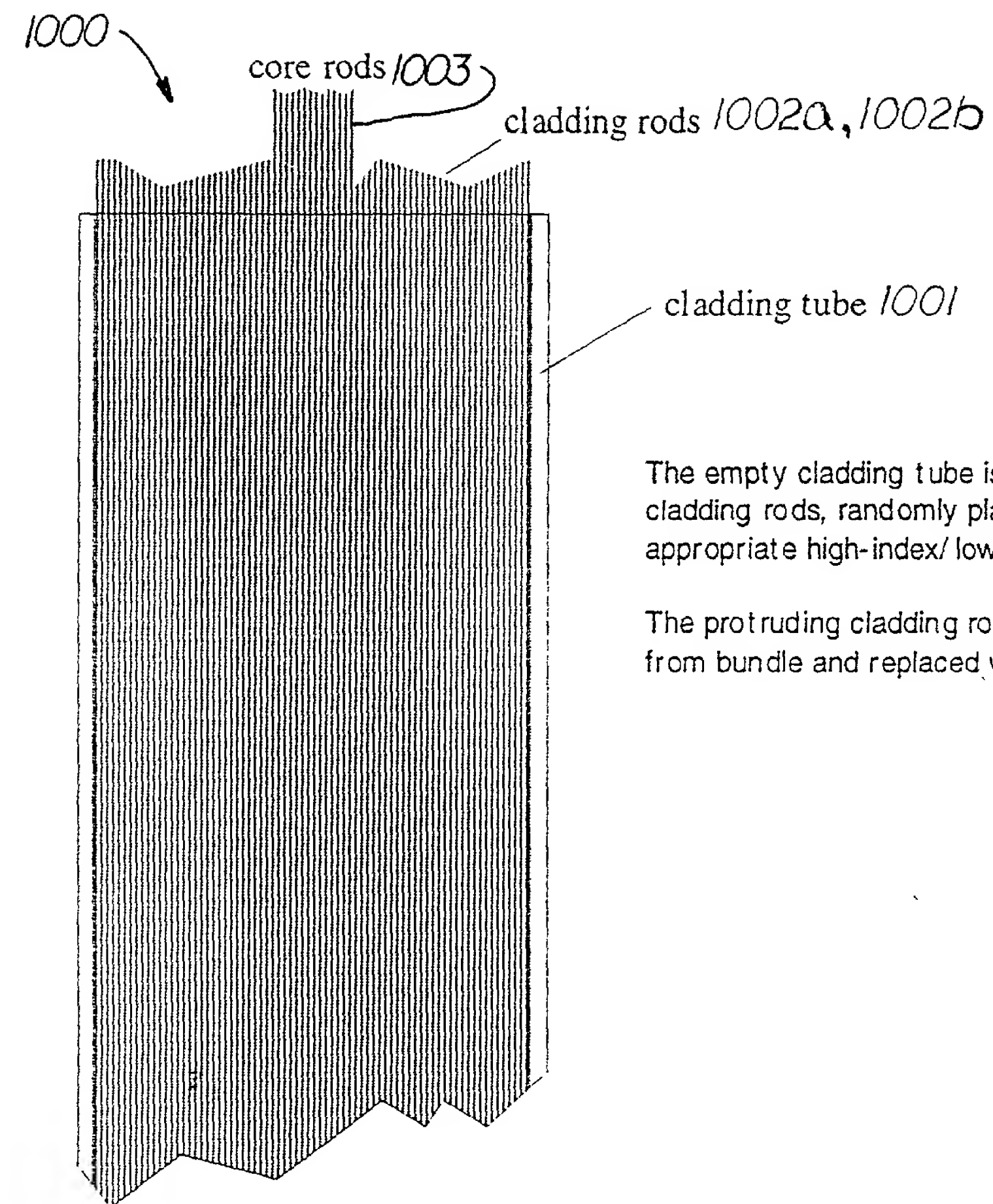


FIG. 9



The empty cladding tube is packed full of cladding rods, randomly placed and in appropriate high-index/ low-index ratio.

The protruding cladding rods are pulled from bundle and replaced with core rods.

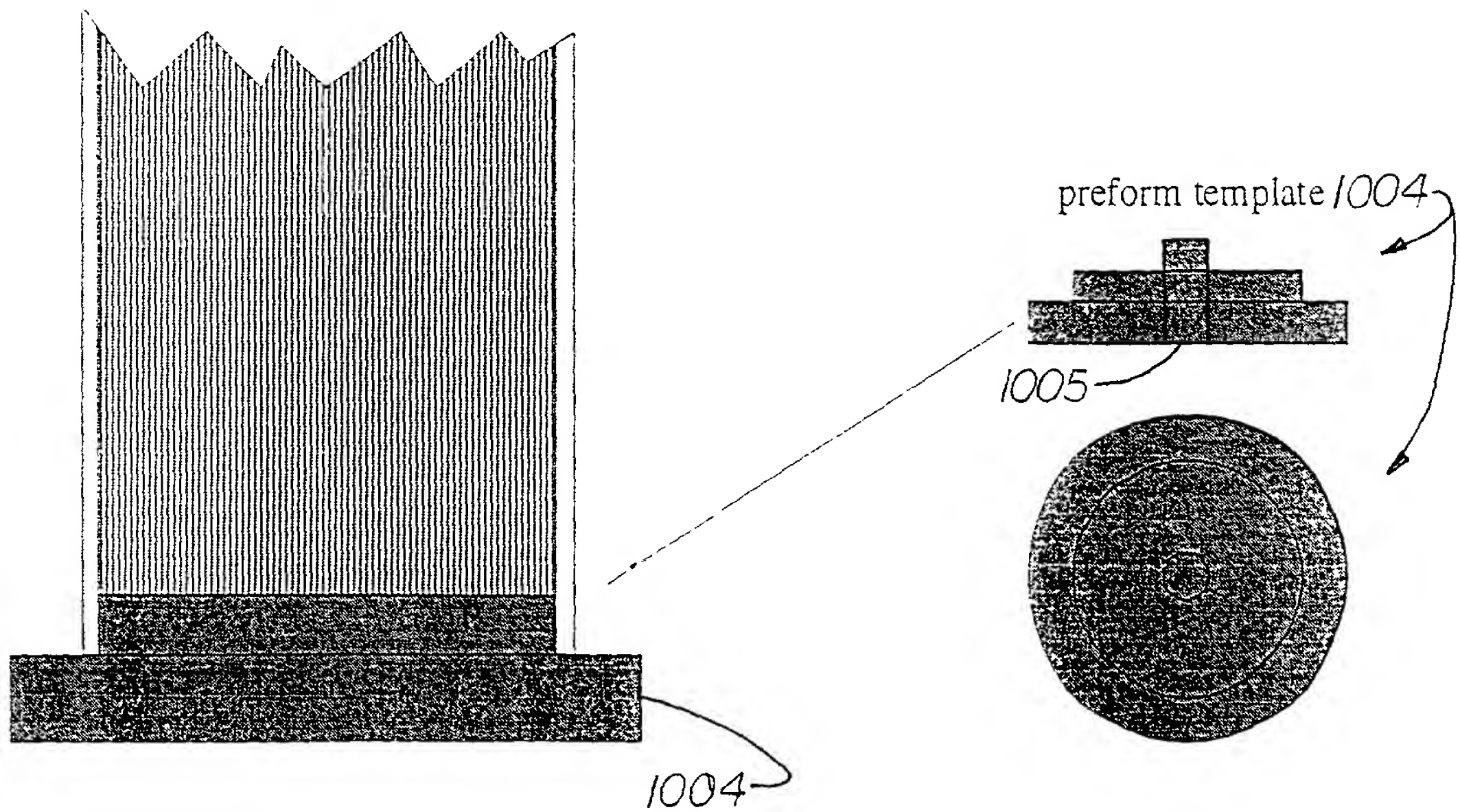


FIG. 10

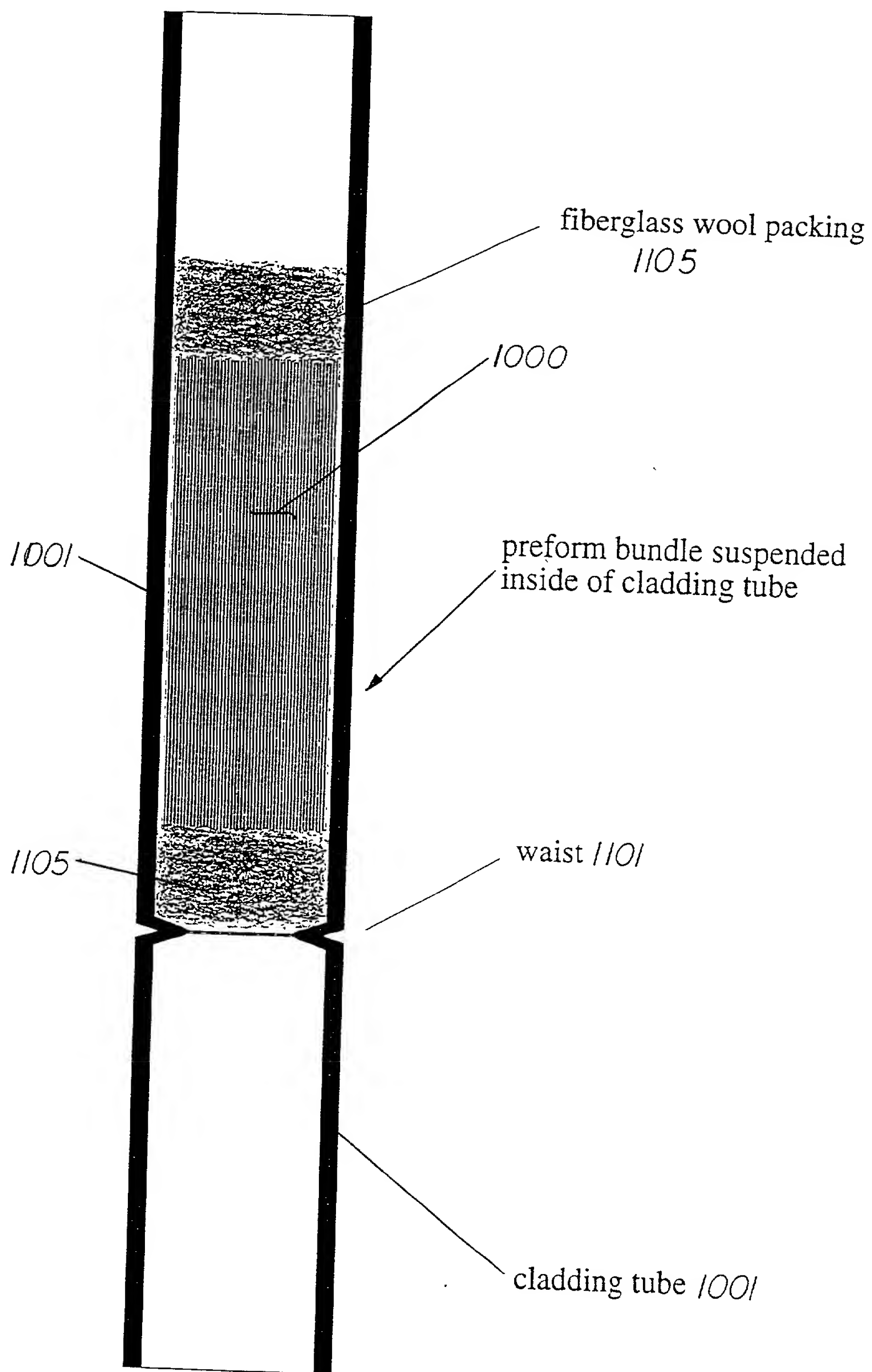


FIG. 11

-fiberglass wool packing
1105

1200

inside of ampule evacuated

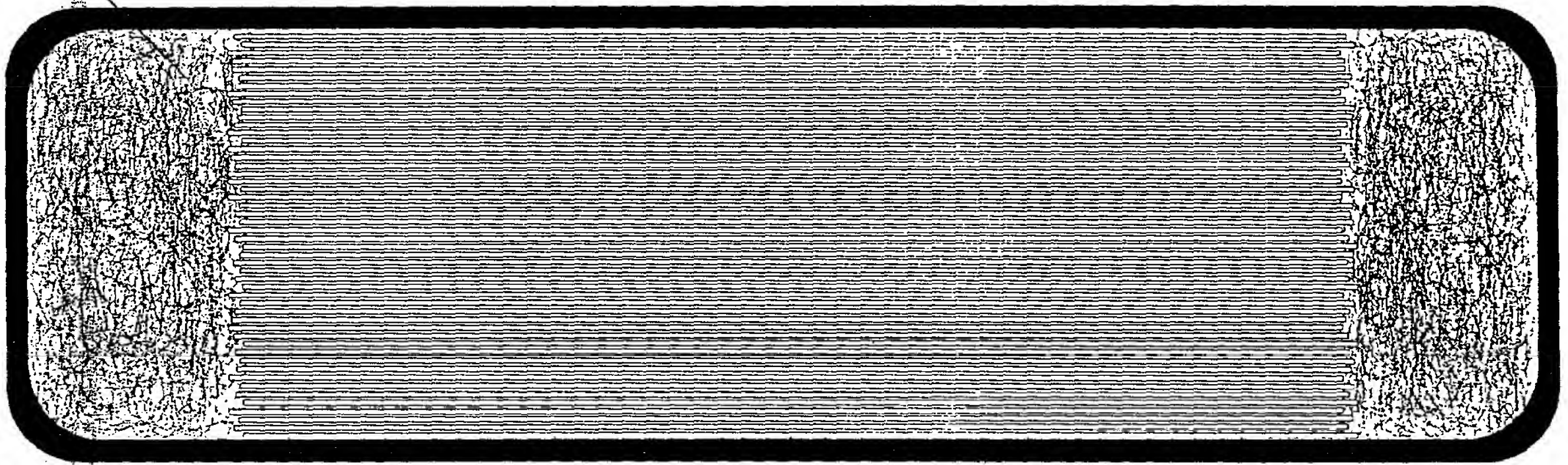


FIG. 12

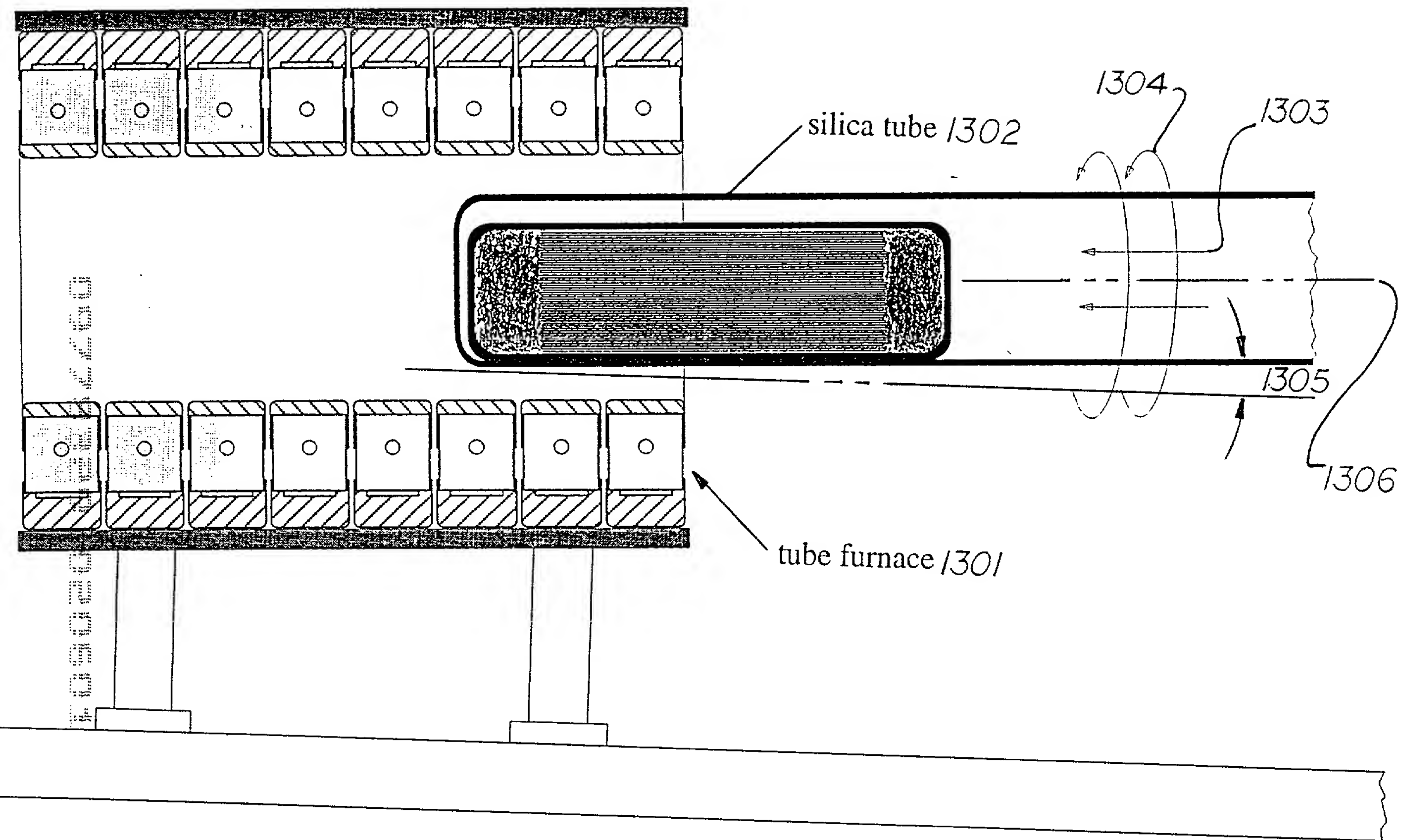


FIG. 13

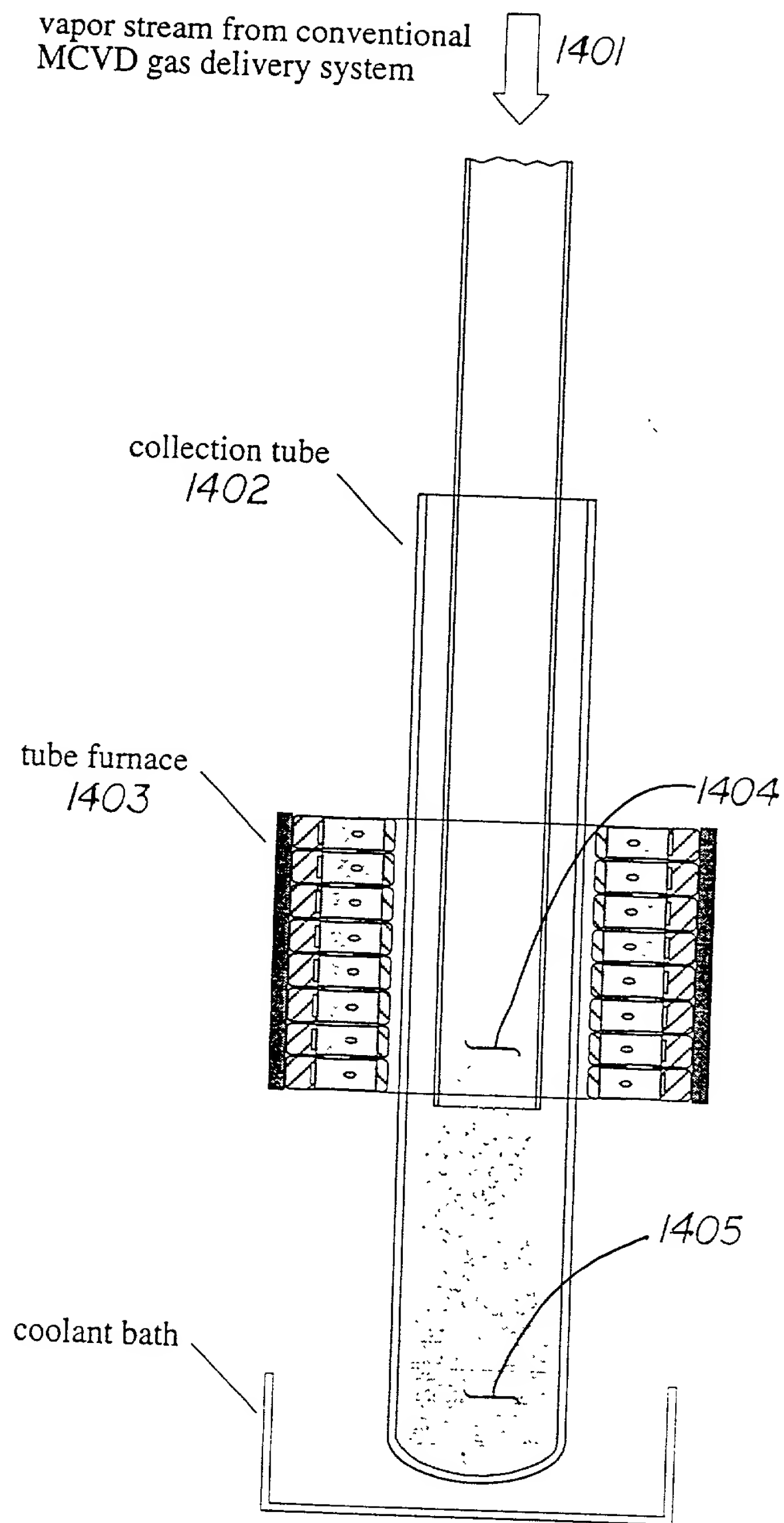


FIG. 14

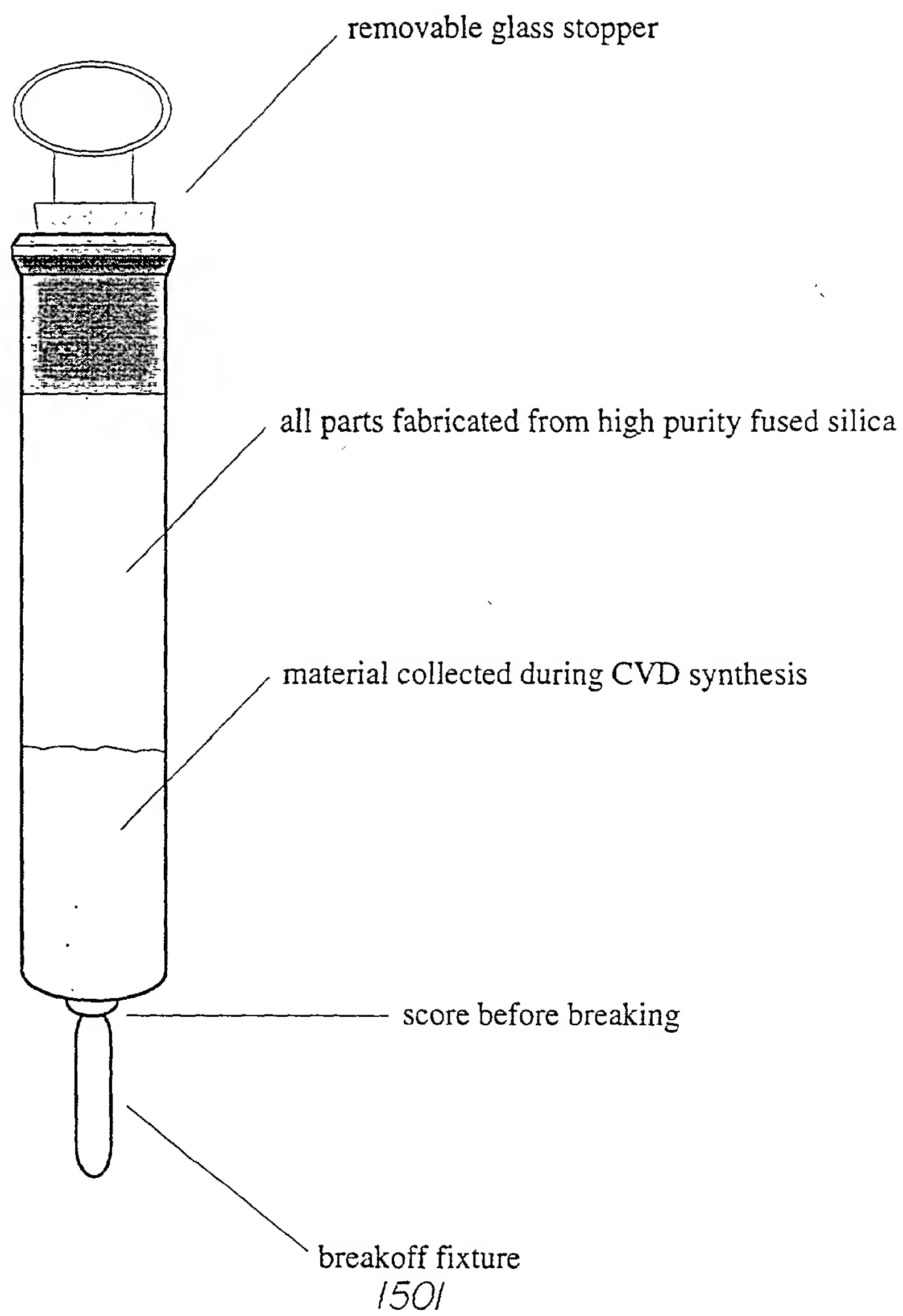


FIG. 15